

# Comparisons of Job Characteristics

**Focus Occupation:** Highway Maintenance Workers (47-4051)

**Associated Occupation:** Fence Erectors (47-4031)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 61

**Focus Occupation:** Highway Maintenance Workers (47-4051)

**Associated Occupation:** Fence Erectors (47-4031)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Building and Construction	4.0	9.4	12.2	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 83

**Focus Occupation:** Highway Maintenance Workers (47-4051)

**Associated Occupation:** Fence Erectors (47-4031)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	8.9	11.4	> Skill level is likely sufficient
Equipment Selection	3.3	6.2	4.4	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	6.1	8.3	>> Skill level is likely more than sufficient
Repairing	3.4	5.4	7.9	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 84

**Focus Occupation:** Highway Maintenance Workers (47-4051)

**Associated Occupation:** Fence Erectors (47-4031)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Static Strength	5.0	12.2	10.1	<	Some improvement in abilities may be required
Trunk Strength	5.7	12.1	9.8	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	11.8	12.9	0	Current ability level may be sufficient
Extent Flexibility	4.8	9.7	8.1	<	Some improvement in abilities may be required
Dynamic Strength	3.5	9.4	6.4	<<	Extensive improvement in abilities may be required
Stamina	4.0	9.4	7.9	<	Some improvement in abilities may be required
Gross Body Coordination	3.9	8.3	7.2	<	Some improvement in abilities may be required
Speed of Limb Movement	3.2	8.1	8.7	0	Current ability level may be sufficient
Glare Sensitivity	2.6	5.8	5.6	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Highway Maintenance Workers (47-4051)  
Associated Occupation: Fence Erectors (47-4031)

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Dig holes or trenches for foundations, posts, poles, or related items	78
Erect fences, guard rails, highway markers, or related structures	99
Fabricate, assemble, or disassemble manufactured products by hand	11
Measure and mark lay out for construction projects	89
Move or fit heavy objects	8
Read tape measure	41
Understand construction specifications	53
Use concrete fabrication techniques	74
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Highway Maintenance Workers (47-4051)  
Associated Occupation: Fence Erectors (47-4031)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.